

WHAT IS CLAIMED IS:

1. A method of manufacturing an optical cable comprising:
extruding a thermoplastic resin around at least one tension member and
5 at least one optical fiber, the tension member being a fiber reinforced plastic
comprising a matrix resin containing styrene, wherein
the temperature of the thermoplastic resin during extrusion is in the
range of 160°C to 190°C.

10 2. The method of manufacturing an optical cable according to claim 1,
wherein the optical cable is cooled with a cooling medium at a temperature in
the range of 15°C to 50°C after the extrusion of the thermoplastic resin.

3. The method of manufacturing an optical cable according to claim 1,
15 wherein the tension member further comprises an adhesive layer provided on
the surface of the fiber reinforced plastic.

4. The method of manufacturing an optical cable according to claim 1,
wherein the fiber-reinforced plastic is a glass-fiber reinforced plastic.

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5. The method of manufacturing an optical cable according to claim 1,
wherein the fiber-reinforced plastic is an aramid-fiber reinforced plastic.